

WEST Search History

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DATE: Monday, May 09, 2005

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		<i>DB=USPT; PLUR=YES; OP=OR</i>	
<input type="checkbox"/>	L4	6506559.pn. and intron	1
<input type="checkbox"/>	L3	L1 and dsRNA	8
<input type="checkbox"/>	L2	L1 and suppression	108
<input type="checkbox"/>	L1	inverted adj repeat and exon and plant	237

END OF SEARCH HISTORY

b 5,10

09may05 14:39:02 User208737 Session D542.2

\$0.00 0.102 DialUnits File410

\$0.00 Estimated cost File410

\$0.02 TELNET

\$0.02 Estimated cost this search

\$0.40 Estimated total session cost 0.211 DialUnits

SYSTEM:OS - DIALOG OneSearch

File 5:Biosis Previews(R) 1969-2005/May W1

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File 10:AGRICOLA 70-2005/Mar

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Set Items Description

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? s intron and inverted and repeat

25705 INTRON

16660 INVERTED

60314 REPEAT

S1 165 INTRON AND INVERTED AND REPEAT

? s s1 and plant

165 S1

1668372 PLANT

S2 41 S1 AND PLANT

? s s2 and suppression

41 S2

118977 SUPPRESSION

S3 3 S2 AND SUPPRESSION

? t 3/3/1-3

3/3/1 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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0013026812 BIOSIS NO.: 200100198651

Inverted-repeat DNA: A new gene-silencing tool for seed lipid modification

AUTHOR: Singh S (Reprint); Green A; Stoutjesdijk P; Liu Q

AUTHOR ADDRESS: CSIRO Plant Industry, Canberra, ACT, 2601, Australia**
Australia

JOURNAL: Biochemical Society Transactions 28 (6): p925-927 December, 2000
2000

MEDIUM: print

ISSN: 0300-5127

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

3/3/2 (Item 2 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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0011702226 BIOSIS NO.: 199800496473

A transgene with repeated DNA causes high frequency, post-transcriptional **suppression** of ACC-oxidase gene expression in tomato

AUTHOR: Hamilton Andrew J; Brown Stephen; Yuanhai Han; Ishizuka Masakatsu;
Lowe Alex; Solis Angel-Gabriel Alpuche; Grierson Don (Reprint)

AUTHOR ADDRESS: BBSRC Res. Group Plant Gene Regulation, Sch. Biol. Sci.,
Univ. Nottingham, Sutton Bonington Campus, Loughborough LE12 5RD, UK**UK

JOURNAL: Plant Journal 15 (6): p737-746 Sept., 1998 1998

MEDIUM: print

ISSN: 0960-7412
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

3/3/3 (Item 1 from file: 10)
DIALOG(R)File 10:AGRICOLA
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3730551 21972212 Holding Library: AGL
A transgene with repeated DNA causes high frequency, post-transcriptional
suppression of ACC-oxidase gene expression in tomato
Hamilton, A.J. Brown, S.; Yuanhai, H.; Ishizuka, M.; Lowe, A.; Solis,
A.G.A.; Grierson, D.
The Sainsbury Laboratory, Norwich, UK.
Oxford : Blackwell Sciences Ltd.
The Plant journal : for cell and molecular biology. Sept 1998. v. 15 (6).
p. 737-746.
ISSN: 0960-7412
DNAL CALL NO: QK710.P68
Language: English
? t 3/5/1-2

3/5/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
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0013026812 BIOSIS NO.: 200100198651
Inverted-repeat DNA: A new gene-silencing tool for seed lipid
modification
AUTHOR: Singh S (Reprint); Green A; Stoutjesdijk P; Liu Q
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MEDIUM: print
ISSN: 0300-5127
DOCUMENT TYPE: Article
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LANGUAGE: English

ABSTRACT: Post-transcriptional gene silencing (PTGS) has been successfully
used to modify seed lipids in oilseed crops like soybean, canola and
sunflower. Conventionally, PTGS has been induced by transforming the
plants with either antisense or co-**suppression** constructs targeted
against key seed lipid biosynthesis genes. A major drawback of this
approach has been the recovery of only a modest proportion of silenced
individuals from large populations of transgenic plants. In this report
we show that **inverted-repeat** DNA constructs containing an
intron encoding RNA with a hairpin structure can induce PTGS with
very high frequency.

DESCRIPTORS: